



TOPCon N-T YPE M10

BAUER SOLARTECHNIK

SUPERBLACK

BS-120M10NHBB-GG 465 - 475 W

BIFACIAL GLASS-GLASS HALF-CELL MODULE





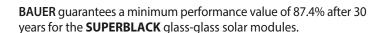


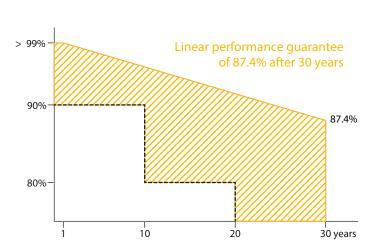






BAUER







FIRE CLASS A

30 PRODUCT WARRANTY

Maximum fire protection through double glazing according to the highest security requirements



CERTIFICATION

Constant in-house quality controls - certified several times over by accredited inspection bodies



GRADE "A" N-TYPE BIFACIAL HALF-CELLS

Up to 30% increase in yield through bifacial cells active on both sides and a transparent backside. Only GRADE "A "half-cells are used in the production of all BAUER solar modules and only the blackest are selected.



GERMAN GUARANTOR

If necessary, it is guaranteed that a German company takes over any claim settlements



WARRANTY & GUARANTEE

30 year warranty and a linear performance guarantee over a period of 30 years



REINSURANCE COVERAGE

BAUER is re-insured with Munich RE for 15 years of the product warranty & 30 years of the performance guarantee



Email: info@cansolarcorp.com Web: https://cansolarcorp.com



PHYSICAL SPECIFICATIONS

Module dimensions

Embedding material

Weight

Frame

Frontside

Backside

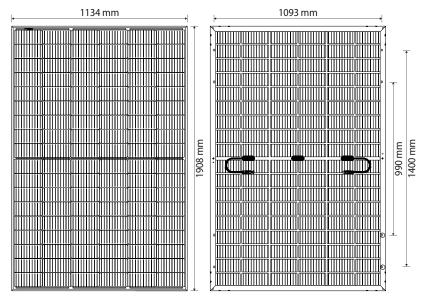
Solar cells

Bifaciality

Junction box(es)

Cable & connector





1908 x 1134 x 30 mm

Black anodized aluminum profile

AR-coating Semi-toughened glass, 2 mm

Black-glazed & Semi-toughened glass, 2 mm

120 monocrystalline N-type bifacial half-cells

1x4 mm², 500 mm, MC4 compatible

26.7 kg

EVA

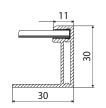
 $80\% \pm 10\%$

IP68, 3 bypass diodes

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WARRANTIES1

30 years product warranty	
30 years performance guarantee	

OPERATING CONDITIONS

BS-470-120M10NHBB-GG

470 $0 \sim +3$

42,37 14,15

35,07

13,41

21,72

517 (+47)

564 (+94)

611 (+141)

Operating temperature	-40 to 85°C
Static load	5400 Pa (snow/wind)
Hail	Ø 25 mm at 23 m/s

CERTIFICATION

CSA, IEC 61215, IEC 61730, fire class A IEC 61730-2 (UL790)

BS-475-120M10NHBB-GG 475

> $0 \sim +3$ 42,53

14,23

35,23

13,49

21,95

522,5 (+47,5)

617,5 (+142,5)

570 (+95)

PACKAGING

Modules per pallet	35	
Pallets/Modules per container	24/840	

ELECTRICAL CHARACTERISTICS ²	BS-465-120M10NHBB-GG	
Maximum power	Pmax (W)	465
Power output tolerance	Pmax (%)	0 ~ +3
Open circuit voltage	Voc (V)	42,21
Short circuit current	Isc (A)	14,08
Voltage at maximum power	Vmpp (V)	34,92
Current at maximum power	Impp (A)	13,32
Module efficiency	ηm (%)	21,49
Bifaciality performance increase* *depending on Albedo and irradiation conditions at installation site	10 % Pmpp (W)	511,5 (+46,5)
	20 % Pmpp (W)	558 (+93)
	30 % Pmpp (W)	604,5 (+139,5)
Nominal opterating cell temperature	NOCT (°C)	45 +/- 2
Temperature coefficient of Voc	Tk (Voc)	-0,26 %/°C
Temperature coefficient of Isc	Tk (Isc)	+0,046 %/°C
Temperature coefficient of Pmpp	Tk (Pmpp)	-0,30 %/°C
Maximum system voltage DC (TÜV)	(V)	1500
Maximum series fuse rating	(A)	30

¹Nominal value is specified in the written warranty conditions. A possible light-induced degradation in performance is not taken into account.

²Values under Standard Test Conditions (STC): air pressure 1.5 AM, irradiance 1000 W/m², cell temperature 25°C. STC measuring tolerance: ±3 % (Pmax), ±10 % (Vmax, Impp, VOC, ISC). The beneficiary under the reinsurance policy is solely Bauer Solar GmbH. Please contact us to get information on how this insurance coverage benefits you as a customer.

Note: please read the safety instructions and installation manual before using this product.
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